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| PADEMARK  | Application Number  | 10/735,973  |
| TRANSMITTAL   | Filing Date   | December 15, 2003   |
| FORM  | First Named Inventor  | Certa, et al.   |
| (to be used for all correspondence after initia   | al filing) Art Unit   |   |
|   | Examiner Name   |   |
| Total Number of Pages in This Submission  | Attorney Docket Number  | 21507 US  |
|   | ENCLOSURES (Check all tha   | it apply)   |
| Fee Transmittal Form  Fee Attached  Amendment/Reply  After Final  Affidavits/declaration(s)  Extension of Time Request  Express Abandonment Request  Information Disclosure Statement  Certified Copy of Priority Document(s)  Response to Missing Parts/ Incomplete Application  Response to Missing Parts under 37 CFR 1.52 or 1.53 | Drawing(s)  Licensing-related Papers  Petition  Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Addre  Terminal Disclaimer  Request for Refund  CD, Number of CD(s)  Remarks  Cited Reference Search Report | Other Enclosure(s) (please Identify below):   |
| SIGNA   | <u> </u><br>TURE OF APPLICANT, ATTORNE  | Y. OR AGENT   |
| Firm or Individual name Kimberly J. Price   |   |   |
| Signature Kembell   | - OTTEO   |   |
| June 16, 2004   |   |   |
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| hereby certify that this correspondence is be   | eing facsimile transmitted to the USPTO or d  | deposited with the United States Postal Service with nts, P.O. Box 1450, Alexandria, VA 22313-1450 on   |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date

June 16, 2004

Kimberly J. Prior

Signature



### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application

Inventor(s): Certa, et al.

Group:

Serial No. 10/735,973 , filed December 15, 2003

Examiner:

(Ref. No. 21507 US)

MODIFIED PHOSPHODIESTERASE POLYPEPTIDES WITH ALTERED

PHYSIOCHEMICAL PROPERTIES

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Nutley, New Jersey 07110 Date: June 16, 2004

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

For:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants respectfully direct the Examiner's attention to the documents listed on enclosed Form PTO-1449.

Documents B6 and C18-C22 listed on Form PTO-1449 are enclosed.

Enclosed is a Search Report, dated June 1, 2004, which was issued by the European Patent Office in the European application corresponding to the captioned application. The Search Report lists Documents B1, B6 and C18-C22.

Document B1 is not enclosed since it has been previously submitted in Applicant's Information Disclosure Statement dated March 15, 2004.

Consideration of all the documents cited on Form PTO-1449 is requested.

Serial No. 10/735,973 Filed: December 15, 2003

Since the Information Disclosure Statement is submitted before the mailing of the first Office Action on the merits or within three months of the filing date for the above application and/or because each item of information contained in the Information Disclosure Statement was cited in a communication for the first time from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement, no fee is due.

Respectfully submitted,

Attorney for Applicant(s)

Kimberly J. Prior (Reg. No. 41,483) 340 Kingsland Street

Nutley, New Jersey 07110 Telephone: (973) 235-6208

Telefax: (973) 235-2363

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|          | <u> </u>                          | B6   | WO 02/22661                             | (if known)                            |                                       |   |                  | <del> </del>   |  |
|          | .75%                              |  | WO 02/22001                             | A2                                    | BEAVO, JOSEPH A.                      | .,   03-2                               | 21-2002          | }              |  |
|          | <b>**</b>                         |  |   |                                       | et al                                 |   | ·                |                |  |
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*Unique citation designation number. \*See attached Kinds of U.S. Patent Documents. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. \*Applicant is to place a check mark here if English language Translation or abstract is attached.

#### Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE Application Number 10/735,973 STATEMENT BY APPLICANT Filing Date December 15, 2003 First Name Inventor Certa, et al. (Use several sheets if necessary) Group Art Unit Examiner Name Sheet 2 of 2 Attorney Docket Number 21507 US

|                          | NON PATENT LITERATURE DOCUMENTS   | •  |
|--------------------------|---|--|
| Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T <sup>2</sup>   |
| C18                      | KOVALA TOM, et al., Biochemistry, XP002278796, Vol. 36,   |  |
|                          |   |  |
| C19                      |   |  |
|                          | XP002278797, Vol. 275, No. 16, pgs. 12331-12338 (2000)  | 1  |
| C20                      | FISHER D.A., et al, Biochemical and Biophysical Research  |  |
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| C21                      |   |  |
|                          | XP000906963, Vol. 44, pgs. 225-342 (1998)   |  |
| C22                      | GRAEME B. BOLGER, et al., Biochemical Journal, Portland   |  |
|                          | Press, London, GB, XP002150449, Vol. 328, pgs. 539-548  | •  |
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*Unique citation designation number. \*Applicant is to place a check mark here if English language Translation or abstract is attached.



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| Uniter the Paperwork Reduction Act of 1995   | . no person             | s are required to respond to a collection Application Number                            |                                       | mation unless it displa<br>1735,973         | avs a valid OMB control num   | ber.          |
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| (to be used for all correspondence after initial   | filing)                 | Art Unit  |                                       | 345   |   |               |
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|  |                         | corresponding references)   |                                       |   |   |               |
| SIGNA  | TURE C                  | F APPLICANT, ATTORNE  | EY, OF                                | R AGENT                                     |   |               |
| Firm or Individual name Kimberly J. Pri  | $\sim$ $\perp$          | ,   |                                       |   |   |               |
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| I hereby certify that this correspondence is b sufficient postage as first class mail in an en the date shown below. | eing facsi<br>velope ad | mile transmitted to the USPTO or dressed to: Commissioner for Pate                      | depositents, P.                       | ed with the United \$<br>O. Box 1450, Alexa | States Postal Service wit<br>andria, VA 22313-1450 or                             | h<br>n        |
| Typed or printed name Kimberly   | J. Pric                 | or ,  |                                       |   |   |               |
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/21 (02-04) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/735,973 TRANSMITTAL Filing Date December 15, 2003 **FORM** First Named Inventor Certa, et al. Art Unit used for all correspondence after initial filing) **Examiner Name** Attorney Docket Number 21507 US Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance communication Fee Transmittal Form Drawing(s) to Group Appeal Communication to Board Licensing-related Papers Fee Attached of Appeals and Interferences Appeal Communication to Group Petition Amendment/Reply (Appeal Notice, Brief, Reply Brief) Petition to Convert to a After Final Proprietary Information **Provisional Application** Power of Attorney, Revocation Affidavits/declaration(s) Change of Correspondence Address Status Letter Other Enclosure(s) (please Terminal Disclaimer Extension of Time Request Identify below): **Express Abandonment Request** Request for Refund CD, Number of CD(s) Information Disclosure Statement Remarks Certified Copy of Priority Document(s) -References B1 to B5, and C1 to C17: Response to Missing Parts/ Incomplete Application -PTO-1449 Form Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Kimberly J. Prior Individual name Signature Date

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

| Typed or printed name | Kimberly J. Prior |      |           |
|-----------------------|-------------------|------|-----------|
| Signature             | Tem baile Vrier   | Date | 3/15/2004 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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Your INFORMATION DISCLOSURE STATEMENT (no-fee) WITH REFS.

B1 to B5 and C1 to C17
Date March 15, 2004

Ser. No. 10/735,973 (Ref. No. 21507 US)

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Commissioner of Patents and Trademarks

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### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application

Inventors:

Certa, et al.

Group: 1645

Serial No. 10/735,973, filed December 15, 2003 (Ref. No. 21507 US)

For:

MODIFIED PHOSPHODIESTERASE POLYPEPTIDES WITH ALTERED PHYSIOCHEMICAL PROPERTIES

### COMMUNICATION REGARDING INFORMATION DISCLOSURE STATEMENTS

Nutley, New Jersey 07110 November 19, 2004

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Applicants submitted an Information Disclosure Statement in the above-referenced application, citing and enclosing references B1 to B5 and C1 to C17, on March 15, 2004. A Supplemental Information Disclosure Statement, citing and enclosing references B6 and C18 to C22, was submitted on June 16, 2004. These Information Disclosure Statements were received in the Office on March 17, 2004, and June 18, 2004, respectively, as evidenced by the enclosed copies of the return acknowledgement cards.

Serial No. 10/735,973

Filed: December 15, 2003

From Applicants' review of PAIR, it does not appear that either of these Information Disclosure Statements has been matched with the file. To advance prosecution, Applicant is submitting herewith, a courtesy copy of both of these Information Disclosure Statements with copies of the corresponding references.

No additional fees are believed due. However, the Director is hereby authorized to charge any deficit, or credit any overpayment, to Deposit Account No. 08-2525.

Respectfully submitted,

Kimberly J. Prior

Attorney for Applicant(s)

(Reg. No. 41,483)

340 Kingsland Street

Nutley, New Jersey 07110 Telephone: (973) 235-6208

Telefax: (973) 235-2363

Attachments

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### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application

Inventors:

Certa, et al.

Serial No. 10/735,973, filed December 15, 2003 (Ref. No. 21507 US)

For:

MODIFIED PHOSPHODIESTERASE POLYPEPTIDES WITH ALTERED PHYSIOCHEMICAL PROPERTIES

### **INFORMATION DISCLOSURE STATEMENT**

Nutley, New Jersey 07110 March 15, 2004

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants respectfully direct the Examiner's attention to the documents listed on enclosed Form PTO-1449.

Documents B1 to B5, and C1 to C17 listed on Form PTO-1449 are enclosed.

Consideration of all the documents cited on Form PTO-1449 is requested.

Serial No. 10/735,973 Filed: December 15, 2003

Since the Information Disclosure Statement is submitted before the mailing of the first Office Action on the merits or within three months of the filing date for the above application, no fee is due.

Respectfully submitted,

Attorney for Applicant(s)

Kimberly J. Prior (Reg. No. 41,483)

340 Kingsland Street

Nutley, New Jersey 07110 Telephone: (973) 235-6208

Telefax: (973) 235-2363

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| TRAU        | Examiner  | Cite                  |                              |                                      | Name of Patentee or Appli                               | Date of Publication of |                                  |                        |
|             | Initials'   | No.'                  | Number                       | Kind Code <sup>2</sup> (if known)    | Cited Document  |                        | Cited docume                     |                        |
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